Listed below are the series of week-long tutorials and guest lectures that will be hosted by the Engineering Institute as part of the Los Alamos Dynamics Summer School. The tutorials and lectures are open to all LANL staff and students. However, we have limited seating for these classes and seating must be reserved two weeks in advance. If we have significant interest beyond our current seating capacity, we will attempt to have a second offering of the tutorial or lecture subject to the availability of the instructor/lecturer. Please note that staff members can use the tutorials and guest lectures to meet the continuing education credit requirements needed to maintain a professional engineer's license. We will issue certificates of attendance to staff for the purpose of documenting their attendance in order to verify that they have met the PE continuing education requirements. If you are interested in attending any of the lectures or tutorials please contact Kathie Womack (womack@lanl.gov, 663-5206).

Note dates marked "open" will be filled and we will send out a subsequent message updating the schedule below with the additional guest lectures.

Tutorial/Lecture Logistics:

1. Time: Tutorials are from 8:00 – 9:30 in the morning. Guest lectures are from 3:30 to 5:00 in the afternoon.
2. Location: Los Alamos Research Park, TA-3, Bldg. 4200, Rm. 101

Week of June 9th
Tutorials:
Introduction to instrumentation and signal processing, Gyuhae Park (LANL), June 11-13
Guest lectures, June 12th
Structural Health Monitoring, Chuck Farrar (LANL)

Week of June 16th
Tutorials:
Rigid-body Dynamics, Phil Cornwell (Rose-Hulman Institute of Technology), June 16-18
Introduction to Controls, Matt Bement (LANL), June 19-20
Guest lectures, June 17th
open
Guest lecture, June 19th
open

Week of June 23rd
Tutorials:
Structural Dynamics, Pete Avitabile (U. of Massachusetts-Lowell), June 23-27
Guest lectures, June 24th
Aerospace Structural Dynamics, Nick Lieven (U. of Bristol, UK)
Guest lecture, June 26th
Engineering issues for orthopedic surgery, Dr. Michael Meneghini

Week of June 30th

Experimental Modal Analysis, Pete Avitabile (U. of Massachusetts-Lowell), June 30-July 3rd
Guest lectures, July 1st
High Explosives Radio Telemetry System, Tom Petersen (LANL)
Guest lecture, July 3rd
Predictive Process Dynamics, Matt Bement (LANL)

Week of July 7th
Tutorials:
Computational Structural Dynamics, DJ Luscher (LANL), July 7-10
Guest lectures, July 8th
Alexis and Forte Satellite, Tom Butler (LANL)
Guest lecture, July 10th
Alexis and Forte Satellite, Tom Butler (LANL)

Week of July 14th
Tutorials:
Model Validation, Francois Hemez (LANL), July 14-17
Guest lectures, July 15th
Sports Equipment Dynamics, John Kosmatka (UC-San Diego)
Guest lecture, July 17th
Machine Learning and it Applications to Structural Dynamics, Keith Worden (U. of Sheffield, UK)

Week of July 21st
Tutorials:
Nonlinear Dynamics, Doug Adams (Purdue University), July 21-July 25th
Guest lectures, July 22th
Smart Structures, Don Leo (Virginia Tech)
Guest lecture, July 24th
Fiber Optic Sensing, Mike Todd

Week of July 28th
Tutorials:
Wave Propagation, Anthony Puckett (LANL), July 28-31
Guest lectures, July 29th
Open
Guest lecture, July 31st
Open